PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of existing Traffic Control Signals with existing street lighting at the following locations:

- US 40 (Pulaski Hwy) and Revolution Street US 40 (Pulaski Hwy) and Lewis Lane
- US 40 (Pulaski Hwy) and Otsego Street

The intersections are located in Harford County. Opticom pre emption shall be installed at the above intersections. US 40 (Pulaski Hwy) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

US 40 (Pulaski Hwy) and Revolution St

- 1. The intersection shall continue to operate in a NEMA five phase, fully-actuated mode, with the US 40 (Pulaski Hwy) approaches running concurrently. The Exclusive/Permissive left turn phase shall continue to be provided for westbound approach of US 40 (Pulaski Hwy). Farside sampling stations shall remain in operation on both legs of US 40 (Pulaski Hwy) at this intersection. The Revolution St / Driveway approaches shall also continue to run concurrently. Pre emption shall be installed for the US 40 (Pulaski Hwy) westbound appraoch.
- 2. The Opticom Discriminator module shall be installed into the existing base mounted cabinet.

US 40 (Pulaski Hwy) and Lewis Lane

- 1. The intersection shall continue to operate in a NEMA six phase, fully-actuated mode, with the US 40 (Pulaski Hwy) approaches running concurrently. Exclusive left turn phases shall continue to be provided for both approaches of US 40 (Pulaski Hwy). The Lewis Lane approaches shall also continue to run concurrently. Pre emption shall be installed for the US 40 (Pulaski Hwy) westbound appraoch. Pre emption shall also be installed for both approaches of Lewis Lane.
- 2. The Opticom Discriminator module shall be installed into the existing base mounted cabinet.

US 40 (Pulaski Hwy) and Otsego Street / MD 155 (Ohio Street)

- 1. The intersection shall continue to operate in a NEMA seven phase, fully-actuated mode, with the US 40 (Pulaski Hwy) approaches running concurrently. Exclusive left turn phases shall continue to be provided for both approaches of US 40 (Pulaski Hwy). The Otsego Street approaches shall also continue to run concurrently. The MD 155 (Ohio Street) appraoch shall continue to operate in its won phase. Pre emption shall be installed for the US 40 (Pulaski Hwy) eastbound appraoch. Pre emption shall also be installed for the northbound approach of Otsego Street and for the MD 155 (Ohio Street) approach.
- 2. The Opticom Discriminator module shall be installed into the existing base mounted cabinet.

III. SPECIAL NOTES

- 1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- 2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- 3. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- Installation of the Emitters shall be the responsibility of the Susquehanna Volunteer Fire Department.
- 5. The Contractor shall deliver 3 emitters to Mr. Mark Gorham at Susquehanna Hose Company (410) 459-9371 (Cell).

The contact persons for District #4 are as follows:

Ms. Erin Kuhn Assistant District Engineer – Traffic Phone: (410) 321-2781

Mr. Andre Futrell Assistant District Engineer - Maintenance Phone: (410) 321-2761

Mr. Mike Pasquaiello Assistant District Engineer - Utility Phone: (410) 321-2841

Mr. Richard L. Daff, Sr. Chief, Traffic Operations Division Phone: (410) 787-7630

Mr. Ed Rodenhizer Chief, Signal Operations Section Phone: 410-787-7652

EQUIPMENT LIST

Α.	EQUIPMENT	TO	BE	SUPPL IED	ΒY	S.H.A

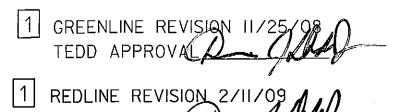
ITEM NO.	DESCRIPTION	QUANTITY
9571	Sheet aluminum signs to consist of: (mast arm or pole mount)	21 SF
	D3-2 "Revolutioon St (arrow)/ (arrow) Revolution St"sign, (variable x 16") (dual faced).	2 EA

HE CONTRACTOR

	В.	EQUIPMENT TO BE FURNISHED AND INS	TALLED	BY TH
	ITEM NO.	DESCRIPTION	QUANT	TITY
	1001	Maintenance of traffic per assignment.	1	EΑ
	1003	Removal of existing permanent pavement line markings Any Width	1035	L.F.
	5002	12" white lead free permanent preformed thermoplastic pavement marking.	380	L.F.
	5003	24" white lead free permanent preformed thermoplastic pavement marking.	165	L.F.
	8005	3M opticom #764 Discriminator module, 4 channel	3	EA
	8006	3M opticom emitter system 700 series.	3	EA
1	8009	Adjust existing handhole to gro	ide. 1	EA
	8017	Remove and dispose of existing material & equipment per assignment.	1	EA
1	8023	4 conductor opticon cable.	1760 1135	L.F.
1	8026	Schedule 80 rigid PVC conduit up to 4"— bored.	120	L.F.
	8047	Install overhead sign.	21	SF
1	8049	Opticom #721 detector eye.	8 -5 -	EA
	Neg.	5" yellow lead free permanent preformed thermoplastic pavement marking.	600	L.F.

EQUIPMENT TO BE REMOVED

Any signal equipmend removed by the Contractor shall become property of the Contractor.





US 40 AND OLD POST RD/ LEWIS LA / OTSEGO ST HAVRE DE GRACE, MARYLAND GENERAL INFORMATION SHEET SCALE NONE DATE 7/9/08 COUNTY HARFORD DESIGNED BY J.W.A. DRAWN BY_ LOGMILE CHECKED BY TIMS NO. ____ 1841 F.A.P. NO. TOD NO. DRAWING NO. 5 OF 5 TS NO. T-155

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

CONTRACT NO. XX4485185

SHEET NO.

LOTTED: \$DATETIME\$